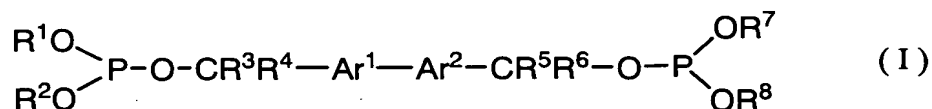


CLAIMS

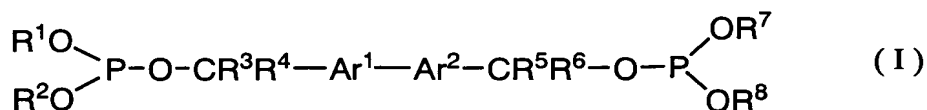
1. Bisphosphite(s) represented by the following general formula (I):

5



, wherein Ar¹ and Ar² are each independently a substituted or an unsubstituted arylene group; R¹, R², R⁷ and R⁸ are each
10 independently a substituted or an unsubstituted alkyl group, a substituted or an unsubstituted aryl group or a substituted or an unsubstituted heterocyclic group, or R¹ and R² or R⁷ and R⁸ may together form a ring with their associated oxygen atoms and phosphor atom; and R³, R⁴, R⁵ and R⁶ are each independently
15 a hydrogen atom or an alkyl group, with the proviso that the carbon atom bearing R³ and R⁴ and the carbon atom bearing R⁵ and R⁶ are bound to the respective arylene groups at the ortho position to the Ar¹-Ar² bond.

20 2. A composition containing bisphosphite(s) and a Group 8 to 10 metal compound, the bisphosphite represented by the following general formula (I):

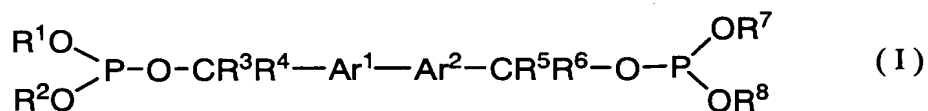


25

, wherein Ar¹ and Ar² are each independently a substituted or an unsubstituted arylene group; R¹, R², R⁷ and R⁸ are each

independently a substituted or an unsubstituted alkyl group, a substituted or an unsubstituted aryl group or a substituted or an unsubstituted heterocyclic group, or R¹ and R² or R⁷ and R⁸ may together form a ring with their associated oxygen atoms and phosphor atom; and R³, R⁴, R⁵ and R⁶ are each independently a hydrogen atom or an alkyl group, with the proviso that the carbon atom bearing R³ and R⁴ and the carbon atom bearing R⁵ and R⁶ are bound to the respective arylene groups at the ortho position to the Ar¹-Ar² bond.

3. A process for producing aldehyde(s), comprising reacting an olefin with carbon monoxide and hydrogen in the presence of bisphosphite(s) and a Group 8 to 10 metal compound, the bisphosphite(s) represented by the following general formula (I):



,wherein Ar¹ and Ar² are each independently a substituted or unsubstituted arylene group; R¹, R², R⁷ and R⁸ are each independently a substituted or an unsubstituted alkyl group, a substituted or an unsubstituted aryl group or a substituted or an unsubstituted heterocyclic group, or R¹ and R² or R⁷ and R⁸ may together form a ring with their associated oxygen atoms and phosphor atom; and R³, R⁴, R⁵ and R⁶ are each independently a hydrogen atom or an alkyl group, with the proviso that the carbon atom bearing R³ and R⁴ and the carbon atom bearing R⁵ and R⁶ are bound to the respective arylene groups at the ortho

position to the Ar¹-Ar² bond.

4. The process for producing aldehyde(s) according to claim
3, wherein the Group 8 to 10 metal compound is a rhodium
5 compound selected from Rh(acac)(CO)₂, RhCl(CO)(PPh₃)₂,
RhCl(PPh₃)₃, RhBr(CO)(PPh₃)₂, Rh₄(CO)₁₂ and Rh₆(CO)₁₆.

5. The process according to claim 4, carried out at a
temperature of 40 to 150°C.

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6. The process for producing aldehyde(s) according to any
one of claims 3 to 5, wherein the Group 8 to 10 metal compound
is used in an amount of 0.0001 to 1000 mmol as measured by the
amount of metal atom) for every 1 liter of the reaction
15 mixture.